

Sequence Listing

<110> Botstein, David
Goddard, Audrey
Lawrence, David A.
Pennica, Diane
Roy, Margaret A.
Wood, William I.

<120> Cardiotrophin-1 Compositions and Methods for the
Treatment of Tumor

<130> P2533

<140> US 09/234,730
<141> 1999-01-21

<150> US 09/033,114
<151> 1998-03-02

<150> US 08/733,850
<151> 1996-10-18

<150> US 08/443,129
<151> 1995-05-17

<150> US 08/286,304
<151> 1994-08-05

<150> US 08/233,609
<151> 1994-04-25

<160> 6

<210> 1
<211> 1539
<212> DNA
<213> Human

<400> 1
gtgaaggagg ccgggatcag ccaggggcca gcatgagccg gagggaggga 50
agtctggaag acccccagac tgattcctca gtctcacttc ttccccactt 100
ggaggccaag atccgtcaga cacacagcct tgcgcacctc ctcaccaaat 150
acgctgagca gctgctccag gaatatgtgc agctccaggg agaccccttc 200
gggctgcccc gcttctcgcc gccgcggctg ccggtgccg gcctgagcgc 250

ccccggctccg agccacgcgg ggctgccagt gcacgagcgg ctgcggctgg 300
acgcggcggc gctggccgcg ctgccccgc tgctggacgc agtgtgtcgc 350
cgccaggccg agctgaaccc gcgcgcgcgcg cgccctgctgc gccgcctgga 400
ggacgcggcg cgccaggccc gggccctggg cgccgcgcgtg gaggccttgc 450
tggccgcgct gggcgccgc aaccgcgggc cccggccga gccccccgccc 500
gccaccgcct cagccgcctc cgccacccggg gtcttccccg ccaaggtgct 550
ggggctccgc gtttgcggcc tctaccgcga gtggctgagc cgacccgagg 600
gcgacctggg ccagctgctg cccgggggct cggcctgagc gccgcggggc 650
agctcgcccc gcctcctccc gctgggttcc gtctctcctt ccgcttcttt 700
gtctttctct gccgctgtcg gtgtctgtct gtctgctctt agctgtctcc 750
attgcctcgg ctttctttgc tttttgtggg ggagagggga ggggacgggc 800
agggtctctg tcgcccagggc tgggggtgcag tggcgcgatc ccagcaactgc 850
agcctaacc tcctgggctc aagccatcct tccgcctcag cttccccagc 900
agctggact acaggcacgc gccaccacag cgggctaatt ttttatttaa 950
ttttttgttag agacgagggtt tcgccccatgtt gcccaggctg gtcttgaact 1000
ccggggctca agcgatcctc ccgccttcagc ctccctaagt gctgggatttgc 1050
caggcgtgag ccactttccc agcctctctt tgctttgcct gccccgttct 1100
cttaactctt ggaccctcct cgtctgcatt gtaactccgt ctgagtctac 1150
cattttcttg ctctccctcc ttcccttgggc ctgcctcagt tcccttggc 1200
ctcccccttt acccagctct tgggggtgtct ctgttttttc catccccact 1250
tcctgccttc tcgtggccct gtggtagcac atgtgtacat ctcagcccta 1300
tctcaaggag gtgacacacctt ctctccttgc ccccatctgg ccgtctctct 1350
gtgcttccct ggccaggggc gtgcctgctg gtcctatggg gggaggctaa 1400
ctccgcattt cagccacacctt cctcaggctc actccaccta catccccagt 1450
ctgccacacc ccatccctt gggcctcagc cctgtccctt tgatgtcctc 1500

ctttccttca gcccctctgc cctgtccctg cacacctcc 1539

<210> 2
<211> 1539
<212> DNA
<213> Human

<400> 2
ggaggtgtgc agggacaggg cagagggct gaagggaaagg aggacatcaa 50
aggacacagg ctgaggccca aaggatggg gtgtggcaga ctggggatgt 100
aggtaggatg agcctgagga aggtggctga gatgcggagt agccttcccc 150
ccataggacc agcaggcact cccctggcca gggaaagcaca gagagacggc 200
cagatgggca caaggagaga aggtgtcacc tcctttagat aaggctgaga 250
tgtacacatg tgctaccaca gggccacgag aaggcaggaa gtggggatgg 300
aaaaaaacaga gacaccccaa gagctggta aagggggagg ccaaaggaa 350
ctgaggcagg cccaaggaag gagggagagc aagaaaatgg tagactcaga 400
cgagttacc atgcagacga ggagggtcca agagttaaga gaacggggca 450
ggcaaagcaa agagaggctg ggaaagtggc tcacgcctgc aatccagca 500
cttagggagg ctgaagcggg agatcgctt gagccccgga gttcaagacc 550
agcctggca acatggcgaa acctcgctc tacaaaaaat taaataaaaa 600
attagccggc tgtggtggcg cgtgcctgta gtcccagctg ctgggaaagc 650
tgaggcggaa ggatggcttg agcccaggag gttgaggctg cagtgcgtgg 700
atcgccgac tgcaccccaag cctggcgac agagaccctg cccgtcccc 750
ccctctccc ccacaaaaag caaagaaggc cgaggcaatg gagacagcta 800
agagcagaca gacagacacc gacagcggca gagaaagaca aagaagcgg 850
aggagagacg gaacccagcg ggaggaggcg gggcgagctg ccccgccggc 900
ctcaggccga gccccgggc agcagctggc ccaggtcgcc ctgcgtgcgg 950
ctcagccact cgcggttagag gccgcaaacg cggagccccca gcacccctggc 1000
gggaaagacc ccgggtggcg aggccgtga ggcgggtggcg gcggggggct 1050

cgccccgggg cccgcgggttg gcggcgccca gcgcggccag caaggcctcc 1100
acggcggcgc ccagggcccg ggctggcgc gccgcgtcct ccaggcggcg 1150
cagcaggcgc ggcgcgcgcg ggttcagctc ggctggcgg cgacacactg 1200
cgtccagcag cgggggcagc gggccagcg ccgcccgtc cagccgcagc 1250
cgctcgtgca ctggcagccc cgctggctc ggagccgggg cgctcaggcc 1300
ggccaccggc agccgcggcg gcgagaagct gggcagcccc aaggggtctc 1350
cctggagctg cacatattcc tggagcagct gtcagcgta tttggtgagg 1400
aggtgcgcaa ggctgtgtgt ctgacggatc ttggcctcca agtgggaaag 1450
aagtgagact gaggaatcag tctgggggtc ttccagactt ccctccctcc 1500
ggctcatgct ggccctggc tgcatccggc tcccttcac 1539

<210> 3

<211> 201

<212> PRT

<213> Human

<400> 3

Met	Ser	Arg	Arg	Glu	Gly	Ser	Leu	Glu	Asp	Pro	Gln	Thr	Asp	Ser
1														15

Ser	Val	Ser	Leu	Leu	Pro	His	Leu	Glu	Ala	Lys	Ile	Arg	Gln	Thr
														30

His	Ser	Leu	Ala	His	Leu	Leu	Thr	Lys	Tyr	Ala	Glu	Gln	Leu	Leu
														45

Gln	Glu	Tyr	Val	Gln	Leu	Gln	Gly	Asp	Pro	Phe	Gly	Leu	Pro	Ser
														60

Phe	Ser	Pro	Pro	Arg	Leu	Pro	Val	Ala	Gly	Leu	Ser	Ala	Pro	Ala
														75

Pro	Ser	His	Ala	Gly	Leu	Pro	Val	His	Glu	Arg	Leu	Arg	Leu	Asp
														90

Ala	Ala	Ala	Leu	Ala	Ala	Leu	Pro	Pro	Leu	Leu	Asp	Ala	Val	Cys
														105

Arg	Arg	Gln	Ala	Glu	Leu	Asn	Pro	Arg	Ala	Pro	Arg	Leu	Leu	Arg
														120

Arg Leu Glu Asp Ala Ala Arg Gln Ala Arg Ala Leu Gly Ala Ala
125 130 135

Val Glu Ala Leu Leu Ala Ala Leu Gly Ala Ala Asn Arg Gly Pro
140 145 150

Arg Ala Glu Pro Pro Ala Ala Thr Ala Ser Ala Ala Ser Ala Thr
155 160 165

Gly Val Phe Pro Ala Lys Val Leu Gly Leu Arg Val Cys Gly Leu
170 175 180

Tyr Arg Glu Trp Leu Ser Arg Thr Glu Gly Asp Leu Gly Gln Leu
185 190 195

Leu Pro Gly Gly Ser Ala
200 201

<210> 4

<211> 21

<212> DNA

<213> Human

<400> 4

ttcccgccct ctctttgctt t 21

<210> 5

<211> 22

<212> DNA

<213> Human

<400> 5

tcagacggag ttaccatgca ga 22

<210> 6

<211> 27

<212> DNA

<213> Human

<400> 6

tgccccgttc tcttaactct tggaccc 27